

From n7rk at cox.net Fri Apr 1 00:31:35 2011
From: n7rk at cox.net (David Hollander)
Date: Thu, 31 Mar 2011 21:31:35 -0700
Subject: [BoatAnchors] Need Heathkit SB-220 Filament/Bias Transformer
Message-ID: <4D955527.4090705@cox.net>

Looking for a replacement Filament/Bias Transformer for a ham in Germany
for his SB-220 amp. The ratings are 5V / 30 Amp and 90V / 0.1A.

Does anyone have one in their junkbox or from an SB-220 they are parting
out?

Tnx and 73,

Dave N7RK

--

Dave N7RK Boatanchors Home Page: <http://members.cox.net/n7rk>
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

From w9ac at arrl.net Fri Apr 1 19:33:14 2011
From: w9ac at arrl.net (Paul Christensen)
Date: Fri, 1 Apr 2011 19:33:14 -0400
Subject: [BoatAnchors] Cabinet Painting
Message-ID: <037001cbf0c5\$2c8ad270\$1d3ca8c0@office>

I just picked up a gorgeous set of Yaesu's first classic separates, the
FR-100B and FL-100B. These are the same units as seen in the now famous
JA1MP QSL card. The set dates back to 1965 and with the exception of the
outer cabinet, the insides look wonderful.

So...anyone know a source to send BA outer cabinets for wrinkle/crackle
painting? I once tried a local auto shop with disastrous results and would
like to send these to someone who can evenly apply a wrinkle finish and make
them look new again. Suggestions, anyone?

Paul, W9AC

From arc5 at ix.netcom.com Sat Apr 2 08:47:28 2011

From: arc5 at ix.netcom.com (David Stinson)
Date: Sat, 2 Apr 2011 07:47:28 -0500
Subject: [BoatAnchors] Belton, Tx Fest
Message-ID: <FA079AA231E540CAA9A6724AEA8745AE@DaddyPC>

Any reports on the Belton, Texas hamfest?

From WA1KBQ at aol.com Sat Apr 2 09:47:05 2011
From: WA1KBQ at aol.com (WA1KBQ at aol.com)
Date: Sat, 2 Apr 2011 09:47:05 -0400 (EDT)
Subject: [BoatAnchors] Synthetic oil, anyone?
Message-ID: <a6ac.1b5494f0.3ac882d9@aol.com>

Detergents and or Extreme Pressure ingredients do not in any way affect an oil's ability to lubricate parts of BA's we are interested in. Detergents simply hold particles or impurities in suspension until a filter can remove them and Extreme Pressure additives require heat and pressure to become activated which does not happen in our case. EP additives protect internal parts of an engine by producing a "sacrificial" sulfate film under heat and pressure which is a few atoms thick and which must be continually "rebuilt" by the oils EP additive supplement.

In recent years levels of EP additives have been greatly reduced in order to meet newer more stringent EPA regulations which is aimed at preventing corruption of catalytic converters. This is the primary reason modern automotive engines now have roller cam followers, to be able to survive with less EP additive in the oil. The older SJ and SL oils are actually much better oil but the difference is not a concern for lubricating radio parts. There should be some concern for using a modern "SM" rated oil which has less "EP" in an older engine with a flat tappet camshaft, but not a BA.

Regards, Greg

In a message dated 3/31/2011 8:04:19 P.M. Eastern Daylight Time, kd5byb at kd5byb.net writes:

On 3/31/2011 8:13 AM, Arden Allen wrote:
> Unsqueakers,
>
> Take a look at e-marsh listing 230546152168 and let me know what you think.
> Is it legit stuff? Sounds good. Old radios should love it.

I think it's overpriced for what it is. I also don't care for some of their marketing. For old radio/turnable applications, the difference between synthetic and conventional (dinosaur juice) is minimal. We're

not talking 4,000 SHP turboshaft engines here!

I'd bet that you could lube an old radio today with conventional oil made in the last few years and you'll be long dead before it hardens/gums up.

Side Note: In the world of automotive oil fanatics, there is a lot of consternation that many "synthetic" oils being sold today are simply very well processed dinosaur juice. The powers that be feel that it's refined enough to call it "synthetic." But it really isn't a true synthetic oil - Mobil 1 falls into this category today, but it's still a great oil.

Our radios are 60+ years old - so is the oil - so was the oil technology. Conventional oils and greases today are vastly superior to what was made 60+ years ago.

That said, I do prefer synthetic oils in just about every application. The "why" goes down the road of audiophoolery - I just like the way it feels on a pot shaft or BC-348 tuning drive versus conventional oil. Am I fooling myself? Probably, but I don't care. ;)

For BA's, I use MIL-PRF-23699 turbine engine oil. It is a very good synthetic oil designed for turbine engines. Look for Mobil Jet Oil II or another turbine engine oil on the e-place and it's probably on the QPL for 23699. A \$10 can is a lifetime supply. If you can find the type C/I (corrosion inhibiting) flavor, even better - it has some very nice extra corrosion inhibitors in the mix.

One thing to note: 23699 does not have the extreme pressure additives or the detergents of an automotive or diesel engine oil. I don't think these do any harm in BA applications - I just prefer to get things clean first before lubricating so I don't need the detergents. Turbine engine oil IS liquid death to engines with plain bearings or pistons.

Just my few cents worth...

later,
ben

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From jp at cs.unc.edu Sat Apr 2 14:34:36 2011
From: jp at cs.unc.edu (John Poulton)

Date: Sat, 2 Apr 2011 14:34:36 -0400
Subject: [BoatAnchors] Reposting FS: Hallicrafters SX-115 Receiver
In-Reply-To: <48B2A23C-E941-4D1E-92DE-24C3D075CBA0@cs.unc.edu>
References: <48B2A23C-E941-4D1E-92DE-24C3D075CBA0@cs.unc.edu>
Message-ID: <860B7E67-801E-4C1D-8027-A21E05C07572@cs.unc.edu>

Posted a "for sale" on this radio last weekend, but reported a problem with the AM/SSB function switch. With some expert help from a list member, I eliminated a couple of possibilities, and then found the actual problem with the radio, which is now all fixed, so I'm reposting.

Asking \$1300 for this quite nice SX-115, which has been cleaned, lubed, re-capped, re-tubed as needed, and aligned. Cosmetics are about an 8 out of 10. Its finish is all-original, and there are a few scuffs and scrapes here and there on the cabinet. The front panel is quite good. The black escutcheon has a circular scrape behind the BFO knob, where someone put the knob on too close to the panel. The radio is quite sensitive and hears well on all bands (verified with a signal generator on the 10m bands). As reported by others, the radio is a quite adequate AM receiver, but a remarkably good SSB/CW radio. The variable selectivity implemented in the 50Kc IF works very well, the dual-loop AVC is one of the best ever implemented on a vacuum tube radio, and the notch filter and SSB noise limiter are very useful.

I have a strong preference for pickup or delivery. I would be happy, for example, to deliver the radio to Dayton, or any of the Carolina's hamfests, or perhaps elsewhere. More details and pictures on request..

73, John K4OZY Chapel Hill, NC

From ddillman at igc.org Sat Apr 2 15:04:39 2011
From: ddillman at igc.org (Richard Dillman)
Date: Sat, 2 Apr 2011 12:04:39 -0700 (GMT-07:00)
Subject: [BoatAnchors] KSM Testing on 6328 RTTY
Message-ID: <5866864.1301771079695.JavaMail.root@elwamui-mouette.atl.sa.earthlink.net>

Transmitter Supervisor Hawes has informed me (via the land line TTY order wire) that RTTY test transmissions are continuing again today on 6328.0kc. Reception reports are solicited.

Brigs,

RD

=====
Richard Dillman
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From k4pf at juno.com Sat Apr 2 22:00:25 2011
From: k4pf at juno.com (k4pf at juno.com)
Date: Sun, 3 Apr 2011 02:00:25 GMT
Subject: [BoatAnchors] Hallicrafters SX-115 Receiver A.M note
Message-ID: <20110402.220025.5444.0@webmail19.vgs.untd.com>

> John Poulton <jp at cs.unc.edu> wrote
<snip> As reported by others, the radio
is a quite adequate AM
receiver, but a remarkably good SSB/CW radio. <snip>

Hi, John

You might like the SX-115's AM performance more
if you keep the notch filter freq at the extreme freq position
instead of "off" during AM wide bandwidth reception, when not in use.
Otherwise the ever-present notch takes out a chunk
of the AM being received, near the carrier freq.

The normal notch "off" position places the notch just above
or below the carrier freq (great for SSB opposite sideband
supression), but bad for AM use.

This was noticed by Tony Vernucci, I0JX.

73,
Ed Knobloch

From ddillman at igc.org Sun Apr 3 13:00:46 2011
From: ddillman at igc.org (Richard Dillman)
Date: Sun, 3 Apr 2011 10:00:46 -0700 (GMT-07:00)
Subject: [BoatAnchors] [GreenKeys] KSM Testing on 6328 RTTY
Message-ID: <30778045.1301850046749.JavaMail.root@elwamui-hound.atl.sa.earthlink.net>

>I did not hear it at all with a lousy antenna in Ohio, I did hear
>several SITOR signals nearby, including one with a cw ID, WLO.

Thanks for the report, OM. When we are able to be on into the evening hours perhaps the 6Mc signal will reach you.

RD

=====
Richard Dillman
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From gumbear at pacbell.net Sun Apr 3 18:44:16 2011
From: gumbear at pacbell.net (Arden Allen)
Date: Sun, 3 Apr 2011 15:44:16 -0700
Subject: [BoatAnchors] HP 606B
Message-ID: <000a01cbf250\$bb8397a0\$3c9e480c@KB6NAX>

FYI ePuddle item 320679092610 in SF Bay area

Arden Allen
KB6NAX

Properly trained a man can be
dog's best friend. -Corey Ford

From w3nu at roadrunner.com Sun Apr 3 12:46:54 2011
From: w3nu at roadrunner.com (Charles Ring)
Date: Sun, 03 Apr 2011 12:46:54 -0400
Subject: [BoatAnchors] [GreenKeys] KSM Testing on 6328 RTTY
In-Reply-To: <5866864.1301771079695.JavaMail.root@elwamui-mouette.atl.sa.earthlink.net>
References: <5866864.1301771079695.JavaMail.root@elwamui-mouette.atl.sa.earthlink.net>

Message-ID: <4D98A47E.9020604@roadrunner.com>

I did not hear it at all with a lousy antenna in Ohio, I did hear several SITOR signals nearby, including one with a cw ID, WLO.

73 de W3NU

On 4/2/2011 3:04 PM, Richard Dillman wrote:

> Transmitter Supervisor Hawes has informed me (via the land line TTY order wire) that RTTY test transmissions are continuing again today on 6328.0kc. Reception reports are solicited.

>

> Brgds,

>

> RD

>

> =====

> Richard Dillman

> Chief Operator, Coast Station KSM

> Maritime Radio Historical Society

> <http://www.radiomarine.org>

> =====

>

> -----
> GreenKeys mailing list

> Home: <http://mailman.qth.net/mailman/listinfo/greenkeys>

> Help: <http://mailman.qth.net/mmfaq.htm>

> Post: [mailto:GreenKeys at mailman.qth.net](mailto:GreenKeys@mailman.qth.net)

>

> This list hosted by: <http://www.qsl.net>

> Please help support this email list: <http://www.qsl.net/donate.html>

>

From arc5 at ix.netcom.com Mon Apr 4 13:26:16 2011

From: arc5 at ix.netcom.com (David Stinson)

Date: Mon, 4 Apr 2011 12:26:16 -0500

Subject: [BoatAnchors] Belton, Texas Fest?

Message-ID: <7F62DE558B8948C6AD7CBF01369B89AD@DaddyPC>

Any reports on teh Belton, Texas Fest?

Thanks.

From wb3fau at att.net Mon Apr 4 19:26:26 2011

From: wb3fau at att.net (wb3fau at att.net)
Date: Mon, 4 Apr 2011 16:26:26 -0700 (PDT)
Subject: [BoatAnchors] 3-500Zs
Message-ID: <246062.36135.qm@web180201.mail.gq1.yahoo.com>

A pair of 3-500Zs needed for a Drake L4B amp. Good used-OK. Pulls-
a possibility. New?- price decides. Eimac, Penta, Svetlana? Price
will determine which we will buy. Russ-wb3fau- Erie, PA.

From anchor at ec.rr.com Mon Apr 4 20:15:53 2011
From: anchor at ec.rr.com (Al Parker)
Date: Mon, 04 Apr 2011 20:15:53 -0400
Subject: [BoatAnchors] 3-500Zs
In-Reply-To: <246062.36135.qm@web180201.mail.gq1.yahoo.com>
References: <246062.36135.qm@web180201.mail.gq1.yahoo.com>
Message-ID: <4D9A5F39.7080906@ec.rr.com>

Hi Russ,

I was in the same situation 2 yrs ago. I ended up buying a new pair
from Stan Winston at ESRC1 Corp, in Orlando. He was at the Raleigh, NC
fest. Right now I can't tell you what brand or cost, they're Chinese
I'm pretty sure, think they cost around \$350/pr. Stan told me they're
guaranteed for 6 mo.s. I said my amp, an old Henry 3k-A was in pieces
and it'd be a while before I had it going. He said, "that's OK, you
just let me know when you put them in service and the 6 mo.s will start
then". It was a few mo.s later, I called him or emailed, he said OK.
They've been going strong ever since. I use the amp once a week for an
hour on the Vintage SB Net 14.293 Sun., 2-3PM ET. I'm a net control, so
it gets used for that hour, but not a lot during the week.

Other than being a happy customer, I have no connection with him. I
had bought some small tubes from him in the past, and do tell folks to
give him a shot at whatever they need.

Al, W8UT
www.boatanchors.org
www.hammarlund.info

"There is nothing -- absolutely nothing -- half so much
worth doing as simply messing about in boats"
Ratty, to Mole

On 4/4/2011 7:26 PM, wb3fau at att.net wrote:

> A pair of 3-500Zs needed for a Drake L4B amp. Good used-OK. Pulls-
> a possibility. New?- price decides. Eimac, Penta, Svetlana? Price
> will determine which we will buy. Russ-wb3fau- Erie, PA.

From wb0eq at yahoo.com Wed Apr 6 14:48:44 2011
From: wb0eq at yahoo.com (John Sehring)
Date: Wed, 6 Apr 2011 11:48:44 -0700 (PDT)
Subject: [BoatAnchors] Deoxing tube pins
Message-ID: <146745.33681.qm@web45602.mail.sp1.yahoo.com>

Thanks Arden for a worthy treatment of this subject. You went far beyond Caig's suggestions and I appreciate it. I will save your note into my BA file.

--John Sehring WB0EQ/VE6 Okotoks, Alberta, Canada

From wb0eq at yahoo.com Wed Apr 6 14:55:39 2011
From: wb0eq at yahoo.com (John Sehring)
Date: Wed, 6 Apr 2011 11:55:39 -0700 (PDT)
Subject: [BoatAnchors] Mica caps--keep or dump?
Message-ID: <477996.83083.qm@web45615.mail.sp1.yahoo.com>

I've just been rummaging thru all my electronics bits & pieces, looking for capacitors of a certain precision.

I came across boxes of mica caps, the fairly large size (not the truly high voltage variety); they look like around WWII vintage (not necessarily of MIL type). They've been stored in a damp/cold environment for a long time (years).

I'd like to hear your opinions on whether these are worth keeping & using, or not.

I do have a Sprague T0-6A cap measurer which also does insulation resistance & leakage (as appropriate) that I could use on 'em.

--John Sehring WB0EQ/VE6 Okotoks, Alberta, Canada

From wb0eq at yahoo.com Wed Apr 6 15:10:01 2011
From: wb0eq at yahoo.com (John Sehring)
Date: Wed, 6 Apr 2011 12:10:01 -0700 (PDT)
Subject: [BoatAnchors] Sprague T0-6A Cap. checker
Message-ID: <374736.74835.qm@web45615.mail.sp1.yahoo.com>

At various times, I've had Sprague's T0-5, T0-6, and T06A. I kept the latter & sold the others. (BTW, there's very little diff. between the -6 and -6A.)

Each of them has had problems in reading DC voltage applied to the cap under test and the resultant DC leakage current. The numbers, as compared to a recently Fluke-calibrated Fluke instrument, are quite far off, in no consistent direction.

I'm not at all interested in over-voltaging old 'lytic capacitors during leakage tests AND not knowing the actual leakage currents either. Bad form, that.

It was not too hard to put some resistive shunts and multiplier resistors into those circuits. I expect at least 5% precision when I'm done.

BTW, I STRONGLY recommend you install a pair of Si diodes, one in each direction, across the cap checker's meter movement. It's easily possible to beat the dickens out of the poor meter in ordinary operation of the instrument.

I fact, on a T0-5 I had to do brain surgery to reconnect the meter's needle to the movement; it worked FB, but I didn't want to ever have to do that again.

That's caused me to note other instrments in my shack that tended to bang needles to and fro. For example, my Heathkit HD-1 harmonic distortion analyzer does this, so I added diodes to it as well.

Just for my own curiosity, I do ck the meter reading before & after after the operation. Bear in mind that Si diodes will conduct at 1.7 V vs. the voltage across a meter causing full deflection.

--John Sehring WB0EQ/VE6 Okotoks, Alberta, Canada

From anchor at ec.rr.com Wed Apr 6 15:24:08 2011
From: anchor at ec.rr.com (Al Parker)
Date: Wed, 06 Apr 2011 15:24:08 -0400
Subject: [BoatAnchors] Mica caps--keep or dump?
In-Reply-To: <477996.83083.qm@web45615.mail.sp1.yahoo.com>
References: <477996.83083.qm@web45615.mail.sp1.yahoo.com>
Message-ID: <4D9CBDD8.9040107@ec.rr.com>

Hi John,

Are the really mica, or "Micamold"? Much of the WW-2 vintage were the later. They look "mica-ish" but are not. I know you've been around a while and I probably don't need to ask. But just in case, and to remind folks.

Micamolds can be pitched. e.g. in URM-25's they're a problem.

73,

Al, W8UT

www.boatanchors.org

www.hammarlund.info

"There is nothing -- absolutely nothing -- half so much worth doing as simply messing about in boats"

Ratty, to Mole

On 4/6/2011 2:55 PM, John Sehring wrote:

> I've just been rummaging thru all my electronics bits& pieces, looking for capacitors of a certain precision.

>
> I came across boxes of mica caps, the fairly large size (not the truly high voltage variety); they look like around WWII vintage (not necessarily of MIL type). They've been stored in a damp/cold environment for a long time (years).
>
> I'd like to hear your opinions on whether these are worth keeping& using, or not.
>
> I do have a Sprague T0-6A cap measurer which also does insulation resistance& leakage (as appropriate) that I could use on 'em.
>
> --John Sehring WB0EQ/VE6 Okotoks, Alberta, Canada
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From gumbear at pacbell.net Wed Apr 6 18:04:10 2011
From: gumbear at pacbell.net (Arden Allen)
Date: Wed, 6 Apr 2011 15:04:10 -0700
Subject: [BoatAnchors] Sprague T0-6A Cap. checker
References: <374736.74835.qm@web45615.mail.sp1.yahoo.com>
Message-ID: <002c01cbf4a6\$ebff80d0\$129f480c@KB6NAX>

>Each of them [Sprague cap checkers] has had problems in reading DC voltage applied to the cap under test and the resultant DC leakage current. The numbers, as compared to a recently Fluke-calibrated Fluke instrument, are quite far off, in no consistent direction.

Yup, same problem with my T0-4. Drifted carbon resistors. Replaced and readings back in the ball park.

Arden Allen
KB6NAX

The average dog is a nicer person than
the average person. -Andy Rooney

From wb0eq at yahoo.com Wed Apr 6 19:36:56 2011
From: wb0eq at yahoo.com (John Sehring)
Date: Wed, 6 Apr 2011 16:36:56 -0700 (PDT)
Subject: [BoatAnchors] Centralab Couplate
Message-ID: <681012.34193.qm@web45614.mail.sp1.yahoo.com>

Just see what kind of energy & dust flies when I clean up my shack!

I found a bag of Centralab Couplates. Many diff types, various numbers of leads, etc. All NOS.

Any use for this?

The only pieces of gear in my shack that use 'em are my sibling Heath HO-10/SB-610 transmit waveform monitors.

Fortunately, their schematics show the internal parts arrangement of its couplate. It's a 5 stage RC phase shifter for the built-in audio oscillators.

--John Sehring WB0EQ/VE6 Okotoks, Alberta, Canada

From johnmb at nc.rr.com Wed Apr 6 19:49:31 2011
From: johnmb at nc.rr.com (john)
Date: Wed, 06 Apr 2011 19:49:31 -0400
Subject: [BoatAnchors] Centralab Couplate
In-Reply-To: <681012.34193.qm@web45614.mail.sp1.yahoo.com>
References: <681012.34193.qm@web45614.mail.sp1.yahoo.com>
Message-ID: <6.2.1.2.2.20110406194850.03ae5c80@pop-server.nc.rr.com>

Hi John,

I've scanned my Centralab book... it's on K5MO.COM I think with the pinouts of all those . As I recall Globe Kings used them in the audio sections as well.

John K5MO

At 07:36 PM 4/6/2011, John Sehring wrote:

>Just see what kind of energy & dust flies when I clean up my shack!

>

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>leads, etc. All NOS.

>

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>

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>

>--John Sehring WB0EQ/VE6 Okotoks, Alberta, Canada
>-----
>BoatAnchors mailing list
>BoatAnchors at theporch.com
><https://minime.theporch.com/mailman/listinfo/boatanchors>

From wb0eq at yahoo.com Thu Apr 7 09:38:20 2011
From: wb0eq at yahoo.com (John Sehring)
Date: Thu, 7 Apr 2011 06:38:20 -0700 (PDT)
Subject: [BoatAnchors] Couplate list
Message-ID: <304728.52346.qm@web45616.mail.sp1.yahoo.com>

If your equipment schematic is smart enough to include the inner circuitry and component values of couplates used, I don't know if I'd be so hot to use 'em. I have no experience with them.

But...

Here's the Couplate list; all start with "PC-":

51, 30, 81, 90, 91; 104, 157, 158, 165, 177, 184 (2@); 318, 402, 411 (2@), 437, 438, 486; without a PC number...848-934 51B644104 (reminds me a Hallicrafters number).

Rules of Ware apply, they all go to one address for cost of postage.

--John Sehring WB0EQ/VE6 Okotoks, Alberta, Canada

From wb0eq at yahoo.com Thu Apr 7 16:23:01 2011
From: wb0eq at yahoo.com (John Sehring)
Date: Thu, 7 Apr 2011 13:23:01 -0700 (PDT)
Subject: [BoatAnchors] Sprague T0-_ capacitor checker
Message-ID: <908175.81961.qm@web45611.mail.sp1.yahoo.com>

If you're interested in renewing your Sprague T0-5, -6 or -6A capacitor checker, there's a lot of info on the web for doing it.

Manuals found at bama.edebris web site for most of them; also download "to5and6cal" for more cal. info.

I found stuff at eHam.net and tubesound.com (2 diff. sets of info there, one general for many diff. models and one for the Sprague's). I've had a -5 and -6, now have a -6A.

The biggest deal is to have enuf capacitors for calibrating the mid, low and high

end dial readings. Several authors specify $\pm 1\%$ caps for that.

Such precision caps are not trivial to find. At higher values, say, above 2 μF , they get harder to find at a reasonable price. My best finds are in the audiophile field (don't laugh), and some at reasonable prices, too. Amazon, ain't it?

Parts Express has a nice line of "Dayton" 1% caps, from 0.1 to 40 μF ; those up to about 15 μF or so are reasonably priced (your call). (Hard to find on their web site.) These are non-polarized metallized film (not electrolytic) caps, top quality stuff. (My guess is that they're made for P.E. by "SonicCraft", a well known audio cap mfr.)

For 3-5% cap values above about 20 μF (if you care to calibrate that range of capacitance), I found that Parts Connexion web site has the least expensive, high quality parts. Note that most all caps of such high cap value have very broad tolerances anyway, e.g. $+80\%/-20\%$.

Look in their "Mundorf" cap area under "MKF" (film type), "BG" and "BR" (both electrolytic) lines. For example, a 220 $\mu\text{F}/63\text{ V}/5\%$ caps is \$9.22. Yeah, I know, somewhat expensive, but that's the cost of calibration.

Tubessound offers a kit of 1% caps, two of which (0.02 and 2.0 μF) go into the unit as internal references, and three ((200 pF, .02 μF and 2.0 μF). The implication is that the higher cap ranges will more or less fall into place after the lower ranges are cal'd.

--John Sehring WB0EQ/VE6 Okotoks, Alberta, Canada

From gumbear at pacbell.net Thu Apr 7 18:26:14 2011
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 7 Apr 2011 15:26:14 -0700
Subject: [BoatAnchors] Sprague T0- capacitors checker
References: <908175.81961.qm@web45611.mail.sp1.yahoo.com>
Message-ID: <002a01cbf572\$d1979440\$329e480c@KB6NAX>

>The biggest deal is to have enough capacitors for calibrating the mid, low and high end dial readings. Several authors specify $\pm 1\%$ caps for that.

It's only a big deal if you make it so, IMO. No doubt, the caps do go bad and need to be replaced. The best results are obtained with polystyrene and/or polypropylene capacitors. But going to the trouble to obtain 1% tolerance capacitors gives you little of practical value, the Sprague checkers are just not capable of reaching that level of accuracy throughout the dial ranges. 5% capacitors will restore operation with the reasonable degree of accuracy needed for the bulk of boatanchor repair and restoration.

If accuracy is the goal then the solution is to obtain an engineering lab grade LCR bridge. eBog test equipment listings will provide. For values of 300pF and below, you won't find better than the Tektronix 130.

Keep in mind, some capacitor dielectrics, particularly ceramics, are tricky and can give you ambiguous results.

Arden Allen
KB6NAX

If you get to thinking you're a person of
some influence, try ordering somebody
else's dog around. -Will Rogers

From gumbear at pacbell.net Thu Apr 7 18:35:34 2011
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 7 Apr 2011 15:35:34 -0700
Subject: [BoatAnchors] Couplate list
References: <304728.52346.qm@web45616.mail.sp1.yahoo.com>
Message-ID: <003301cbf574\$1fc35ea0\$329e480c@KB6NAX>

>If your equipment schematic is smart enough to include the inner
circuitry and component values of couplates used, I don't know if I'd be so hot to
use 'em.

Don't depend on Centrlab couplates to give you better than 20% accuracy for their
resistors and possibly worse plus the problematic attributes for their ceramic
capacitors. For their purpose in consumer grade (read "cheap") stuff they did
their job. Where used in Fisher stereos I've found them to be poorly matched left
v/s right channel.

Arden Allen
KB6NAX

Adopt a shelter dog,
save an innocent life,
and make a friend forever =:-)

From wb3fau at att.net Thu Apr 7 19:53:18 2011
From: wb3fau at att.net (wb3fau at att.net)
Date: Thu, 7 Apr 2011 16:53:18 -0700 (PDT)
Subject: [BoatAnchors] Centralab couplates
Message-ID: <839616.33861.qm@web180202.mail.gq1.yahoo.com>

my recent experience was in a Globe Scout 680A. The device [PC-91]

has a .01uf plate to grid coupling cap that was open. [no audio]
I installed a new .01 cap and left the couplate connected now works fine.
Russ.

From ddillman at igc.org Thu Apr 7 20:47:54 2011
From: ddillman at igc.org (Richard Dillman)
Date: Thu, 7 Apr 2011 17:47:54 -0700 (GMT-07:00)
Subject: [BoatAnchors] KSM Schedule 4/9
Message-ID: <3273478.1302223674463.JavaMail.root@elwamui-polski.atl.sa.earthlink.net>

Operators will be unavailable to answer calls to KSM on Saturday 4/9. However the Transmitter Department will prepare extended press and weather CW broadcasts throughout the operating day.

KSM RTTY operations will be as normal on 8433.0, 12631.0. Testing will also very likely continue on 6328.0.

Operators will also be unavailable to answer calls to K6KPH.

We plan to return to our normal schedule on Saturday 4/16.

VY 73,

RD

=====
Richard Dillman
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From k1lky at earthlink.net Fri Apr 8 00:15:58 2011
From: k1lky at earthlink.net (Roy Morgan)
Date: Fri, 8 Apr 2011 00:15:58 -0400
Subject: [BoatAnchors] Mica caps--keep or dump?
In-Reply-To: <477996.83083.qm@web45615.mail.sp1.yahoo.com>
References: <477996.83083.qm@web45615.mail.sp1.yahoo.com>
Message-ID: <F21F58F8-6830-4BD3-AA78-0F2C810887C2@earthlink.net>

On Apr 6, 2011, at 2:55 PM, John Sehring wrote:

>

> I came across boxes of mica caps, ...

> I do have a Sprague TO-6A cap measurer which also does insulation
> resistance & leakage (as appropriate) that I could use on 'em.

Pick a hundred and test them for leakage. Report results.

Roy

Roy Morgan
k1lky at earthlink.net
K1LKY Since 1958 - Keep 'em Glowing!

From ddillman at igc.org Fri Apr 8 11:21:57 2011
From: ddillman at igc.org (Richard Dillman)
Date: Fri, 8 Apr 2011 11:21:57 -0400 (GMT-04:00)
Subject: [BoatAnchors] KSM/K6KPH Possibly QRT on Saturday
Message-ID: <15809678.1302276117772.JavaMail.root@elwamui-
chisos.atl.sa.earthlink.net>

The National Park Service has informed us that if the US government indeed shuts down we will be unable to access the transmit and receive sites for KSM and K6KPH, thus both stations will be off the air. We'll make a follow up announcement if the situation changes.

Regards,

RD

=====
Richard Dillman
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From ddillman at igc.org Sat Apr 9 09:09:44 2011
From: ddillman at igc.org (Richard Dillman)
Date: Sat, 9 Apr 2011 06:09:44 -0700 (GMT-07:00)
Subject: [BoatAnchors] KSM Schedule 4/9 - On The Air
Message-ID: <31937717.1302354584114.JavaMail.root@elwamui-
royal.atl.sa.earthlink.net>

As a result of the agreement to keep the US government open KSM will be on the air today, 9 April, on a modified schedule.

KSM will be unable to reply to calls. Instead there will be extended press and weather service on all CW frequencies. RTTY service will be available on all frequencies as usual, probably including continued testing on 6328.0.

K6KPH will not be on the air.

We plan to return to our normal schedule on 16 April.

VY 73,

RD

=====
Richard Dillman
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From franklin6209 at att.net Sun Apr 10 19:29:08 2011
From: franklin6209 at att.net (Gary Franklin)
Date: Sun, 10 Apr 2011 19:29:08 -0400
Subject: [BoatAnchors] Xtal osc Frequency - Collins 75s-3
Message-ID: <54ECEC35E87842ED9607B97D9417D39F@RADI01>

I have a Collins 75S-3 which has a 10 meter xtal (28.3-28.5) which is off a little. This causes a hairline setting which is about 4 kc off the center position when the reciver is calibrated. All other xtals are good and I can get a near center on the hairline on all other bands including the 28.5 - 28.7mc portion of 10 meters. Is there any way to correct this without having to purchase a new xtal?

Thanks

Gary K8BKB

From bkemp at bobkemp.com Sun Apr 10 19:34:10 2011
From: bkemp at bobkemp.com (Bob Kemp)
Date: Sun, 10 Apr 2011 18:34:10 -0500
Subject: [BoatAnchors] Galaxy V mkIII f/s
Message-ID: <B4CAD199725D4B2A9F80C0F6B53CD1FE@robert7549ca67>

Have a nice Galaxy V mk III set up: VOX, CAL, Remote VF0, AC400, Speaker

console, original manual 275 watts out on 75, clean and ready to go to a nice shack. Will include a batch of other Galaxy stuff, including a compendium of updates for everything from the V all the way through the GT550. I'd like \$350 plus shipping. P/s has been recapped with computer grade 100uf caps....This is a nice "9" station. I'll throw in the Audio Rejector too.

Bob

wa0vrc

From n5cm at rtconline.com Mon Apr 11 16:15:32 2011
From: n5cm at rtconline.com (KEN)
Date: Mon, 11 Apr 2011 15:15:32 -0500
Subject: [BoatAnchors] Simpson MODEL 240 VOM/
Message-ID: <82633D82C47041C7BEA1593FD947CE87@MYCONFUSER>

Hi Fellows,

Do any of you have a schematic for the Simpson Model 240 VOM? It was also referred to as the "Hammeter".

I bought my first way back in the 40's or 50's and of course in a moment of 'fog' checked line voltage with it in ohms!!!!
There was a sudden PFUUUT! and nil.....Much more recently I ran across another one at the Baton Rouge, La. hamfest
and I bought it. Well, you guessed it! The same thing happened to it. Phuuut! and dead! A body would think I would learn!

Which resistor is the one that blew? Any help appreciated. Take care,

Ken N5CM

From k4pf at junos.com Mon Apr 11 22:44:11 2011
From: k4pf at junos.com (k4pf at junos.com)
Date: Tue, 12 Apr 2011 02:44:11 GMT
Subject: [BoatAnchors] Simpson MODEL 240 VOM/
Message-ID: <20110411.224411.21370.0@webmail02.vgs.unttd.com>

> Ken <n5cm at rtconline.com> wrote
>Do any of you have a schematic for the Simpson Model 240 VOM? It was also referred to as the "Hammeter". <snip>

Hi, Ken

Attached is a manual for a Simpson 240 series 4 (vintage 1967)
I'm sure your version is very similar.

I am cc'ing the boatanchors groups, so the guys see that you
got an answer. I found the manual at a great website
called simpson260.com - it is a great resource for all Simpson
VOMs.

Good luck with your repairs. I had to straighten out the pointer
of the very similar Triplett 666 when I plugged into 125VAC
with the scale set to 50VAC. They need to use bigger labels
on the front panel! Excuse me, I have to chase some kids
off my lawn...

73,
Ed Knobloch

From oldradio at comcast.net Tue Apr 12 14:30:51 2011
From: oldradio at comcast.net (oldradio at comcast.net)
Date: Tue, 12 Apr 2011 18:30:51 +0000 (UTC)
Subject: [BoatAnchors] =?utf-8?b?SGFsbGljcmFmdGVy4oCZcyDigJxTa3kgQ2hpZWY/?=
=?utf-8?b?4oCd?=
Message-ID:
<1069998340.1006023.1302633051734.JavaMail.root@sz0128a.westchester.pa.mail.comcas
t.net>

Does anyone have a photo of a Hallicrafter's Sky Chief? S-14?

My editor at QST needs a photo for an article.

73, John Dilks, K2TQN

.-.

From knjhanlon at msn.com Wed Apr 13 19:15:37 2011
From: knjhanlon at msn.com (JAMES HANLON)
Date: Wed, 13 Apr 2011 17:15:37 -0600
Subject: [BoatAnchors]
=?utf-8?b?SGFsbGljcmFmdGVy4oCZcyDigJxTa3kgQ2hpZWY/?=
=?utf-8?b?4oCd?=-

In-Reply-To:

<1069998340.1006023.1302633051734.JavaMail.root@sz0128a.westchester.pa.mail.comcast.net>

References:

<1069998340.1006023.1302633051734.JavaMail.root@sz0128a.westchester.pa.mail.comcast.net>

Message-ID: <SNT106-DS7B452D773F682542B4A2BA0AA0@phx.gbl>

John,

There is a good picture of the S-14 in Chuck Dachis' book, "Radios by Hallicrafters," page 31. There is a decent picture in Raymond S. Moore's book, "Communications Receivers, the vacuum tube era: 1932 - 1981," page 34. Moore shows two different versions of the S-14.

I could scan either or both of them for you if you are interested. As I'm sure you know, both books are copyrighted.

Jim Hanlon, W8KGI

----- Original Message -----

From: oldradio at comcast.net<mailto:oldradio at comcast.net>

To: BA-Group Tube<mailto:boatanchors at theporch.com>

Sent: Tuesday, April 12, 2011 12:30 PM

Subject: [BoatAnchors] Hallicrafter?s ?Sky Chief??

Does anyone have a photo of a Hallicrafter?s ?Sky Chief? S-14?

My editor at QST needs a photo for an article.

73, John Dilks, K2TQN

.-.

From ddillman at igc.org Fri Apr 15 17:50:26 2011

From: ddillman at igc.org (Richard Dillman)

Date: Fri, 15 Apr 2011 14:50:26 -0700 (GMT-07:00)

Subject: [BoatAnchors] CW Ops Needed for Marconi Day

Message-ID: <10035203.1302904226943.JavaMail.root@elwamui-darkeyed.atl.sa.earthlink.net>

K6KPH will be participating in International Marconi Day. This year the event takes place on Saturday 30 April. See:

<http://www.gb4imd.org.uk/>

Since this is also a normal operating day for K6KPH and KSM and there is normally only one operator on duty (me) handling both stations I wonder if any Morse oriented operators might care to lend a hand.

You'd essentially be operating a real coast station since K6KPH uses all the original KPH transmitters, antennas and receivers. There is one fixed frequency commercial transmitter per band (throttled back to 1.5kW TPO for amateur service) at the 1913 Marconi transmitter site in Bolinas, remote keyed from the 1929 RCA receive site at Point Reyes. While this is a little different from the usual amateur operation we'll give you a briefing on how things work, how we like to have the log filled out, etc. And then you'll be let loose to send lusty salvos of Morse under the K6KPH call.

We plan to begin operations at 1000 local time at the receive site. Bring your key and cans or use ours.

No license is required for the amateur operation but if you have a commercial radiotelegraph ticket you can sit the circuit at KSM and have your license endorsed for operation at a commercial coast station.

If you'd like to help please let me know in a private message and I'll forward further details.

VY 73,

RD

=====
Richard Dillman
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From bkemp at bobkemp.com Fri Apr 15 23:46:33 2011
From: bkemp at bobkemp.com (Bob Kemp)
Date: Fri, 15 Apr 2011 22:46:33 -0500
Subject: [BoatAnchors] Farnsworth couplers
Message-ID: <74C7B871FB834F4E965CBC2391231C1B@robert7549ca67>

I have some NOS Farnsworth couplers...looks to be old military items #300249
G-1 supplied for Model BN.
Have no idea what they are for.
Drop me an email if you know what these are or want them.

Bob
wa0vrc

From WA5CAB at cs.com Sat Apr 16 00:00:26 2011
From: WA5CAB at cs.com (WA5CAB at cs.com)
Date: Sat, 16 Apr 2011 00:00:26 EDT
Subject: [BoatAnchors] Farnsworth couplers
Message-ID: <28a69.1b3231d3.3ada6e5a@cs.com>

The Navy Model BN is the shipboard or ground equipment for the Mark III IFF system. Or at least one such system.

In a message dated 4/15/2011 10:46:58 PM Central Daylight Time,
bkemp at bobbemp.com writes:
> I have some NOS Farnsworth couplers...looks to be old military items
> #300249
> G-1 supplied for Model BN.
> Have no idea what they are for.
> Drop me an email if you know what these are or want them.
> Bob
> wa0vrc
>

Robert & Susan Downs - Houston
wa5cab dot com (Web Store)
MVPA 9480

From wwatson5 at sbcglobal.net Sat Apr 16 08:44:33 2011
From: wwatson5 at sbcglobal.net (William Watson)
Date: Sat, 16 Apr 2011 05:44:33 -0700 (PDT)
Subject: [BoatAnchors] Eddystone 830/4
Message-ID: <307239.57455.qm@web81407.mail.mud.yahoo.com>

I have listed a nice?Eddystone 830/4 on the auction if anyone is interested.
?
Joe
W5WBR

From ddillman at igc.org Tue Apr 19 17:16:02 2011
From: ddillman at igc.org (Richard Dillman)
Date: Tue, 19 Apr 2011 14:16:02 -0700 (GMT-07:00)
Subject: [BoatAnchors] K6KPH On The Air for IMD
Message-ID: <25599359.1303247762009.JavaMail.root@elwamui-cypress.atl.sa.earthlink.net>

K6KPH, the amateur station of the Maritime Radio Historical Society, will be on the air for this year's International Marconi Day on Saturday 30 April.

K6KPH will use the transmitters of ex-Marconi, ex-RCA coast station KPH at the 1913 Marconi site in Bolinas, California. Operators will be at the 1929 ex-RCA receive site at Point Reyes, California.

Several volunteer operators, will be manning the K6KPH operating positions. Among these will be ace operator Rick Wahl, ex-NMC, ex-KPH.

Hours of operation:

1700 - 2359GMT

Frequencies:

3550.0
7050.0
14050.0
21050.0

Transmitters will be Henry commercial HF5000D units except for 7050.0 which will be using a 1950s vintage RCA transmitter. TPO for all transmitters will be 1.5kW.

Visitors are welcome. The receive site is located at 17400 Sir Francis Drake Blvd., Inverness, California (the station is actually well past Inverness but that's the town name that works with most on-line mapping programs).

Coast station KSM will also be on the air with the usual press and weather service on all Morse and RTTY frequencies.

For details on IMD see:

<http://www.gb4imd.org.uk/>

For details on K6KPH and KSM see:

<http://www.radiomarine.org>

VY 73,

RD

=====
Richard Dillman

Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>

=====

From bkemp at bobbkemp.com Tue Apr 19 20:39:05 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Tue, 19 Apr 2011 19:39:05 -0500
Subject: [BoatAnchors] tube shields etc
Message-ID: <EEE548679EEB4E33BAF66E7133AFDD1C@robert7549ca67>

Kind of cleaning the shack here....

I have some plastic (shoe size) boxes with tube shields of various sizes.
There's probably 40-50 in there.

Also have a assortment of switch shafts, shaft couplers, panel bushings and
the like maybe 1/4 full shoe box of that sort of stuff. Also have a shoe
box full of Military caps. metal cased, white ceramic on the ends. I think
these are very high quality caps. Most are of lower voltage ratings
100-200-300 v. all various capacitances about 5-6lbs worth of caps....
Either going to sell or throw out. \$65. shipped for all three boxes.

Bob

wa0vrc

From bkemp at bobbkemp.com Wed Apr 20 21:39:37 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Wed, 20 Apr 2011 20:39:37 -0500
Subject: [BoatAnchors] Heathkit Crystals
Message-ID: <67B1626678F442D697BE95E45A4A1C85@robert7549ca67>

Have the following Heathkit crystals. I believe I got them for a SB401/301
combo or sb401/303 when I wanted to seperate them and operate independently.
Then I never used them. They are as follows in "mc"

12.395,
28.895
37.395
38.395
23.895
15.895
36.895
22.895
37.895

\$40 shipped OK??

Bob

From bkemp at bobbkemp.com Wed Apr 20 21:42:09 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Wed, 20 Apr 2011 20:42:09 -0500
Subject: [BoatAnchors] Drake Crystals
Message-ID: <91DDC5BE03404F18B78B61B2685FAE09@robert7549ca67>

Have the following Drake Crystals:

13.6
40.1
40.6
39.1
20.6
26.1

\$35. shipped

Bob
wa0vrc

From bkemp at bobbkemp.com Wed Apr 20 21:54:37 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Wed, 20 Apr 2011 20:54:37 -0500
Subject: [BoatAnchors] knobs
Message-ID: <D226EADC2EEE4209A1C2732C2A4C2065@robert7549ca67>

Have an assortment of knobs...I'll just send pics if you email me off the list.

Heathkit SB series

Heathkit instrument series I think came off an old scope tanish in color
Johnson (small knobs with markings on the metal skirt)

Couple National Knobs

Some GT550A style knobs

One insert for a Swan main tuning knob I think??

Other instrument style knobs.

\$35 shipped

Bob
wa0vrc

From bkemp at bobbkemp.com Wed Apr 20 22:39:06 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Wed, 20 Apr 2011 21:39:06 -0500
Subject: [BoatAnchors] w2AU center Insulator

Message-ID: <F4276EDE7BC3448BA5251FD939E072F9@robert7549ca67>

I have a new = unused w2au center insulator.(for a dipole)

I'd like \$30 shipped for it.

Bob

wa0vrc

From bkemp at bobbkemp.com Wed Apr 20 22:54:48 2011

From: bkemp at bobbkemp.com (Bob Kemp)

Date: Wed, 20 Apr 2011 21:54:48 -0500

Subject: [BoatAnchors] tube sockets

Message-ID: <F5641E06C0684844BD4CA4CBA03823FE@robert7549ca67>

Have an assortment of tube sockets 7 & 9 pin, octal etc....5 pin (old)
etc.

Let me know what you might need. Have some spring-steel hold down rings
also.

National 6146 (size) ceramic plate cap.

Bob

wa0vrc

From bkemp at bobbkemp.com Thu Apr 21 21:46:10 2011

From: bkemp at bobbkemp.com (Bob Kemp)

Date: Thu, 21 Apr 2011 20:46:10 -0500

Subject: [BoatAnchors] Fw: Crystals

Message-ID: <544F22BD87C542E1BAE4CC2CBCED1FFC@robert7549ca67>

> Have a batch of crystals for sale. Will sell the whole lot for \$55.00
> shipped. These are all the standard crystals for the s-line and KWM-2
> series radios. HC-6 or HC-6U whichever is the standard style crystal.

>

>

> 13977.5

> 42.10500

> 33.500

> 10555.00

> 16377.5

> 30.500

> 8477.500

> 15.577.77

> 11477.5

> 28855

> 29820.0

> 500kc bliley xtal
> 9677.500
> 42.00
> 11500.00
> 7155.00
> 10755.00
> 9.95500
> 13.15500
> 5.5000
> 9955.00
> 14155.00
> 44980.00 kc
> 7184.375kc
> 9277.500
> 29820.00
> 13.15500
> 16127.500
> 8977.500
> 8477.500
> 8777.5
> 9755.00
>
> Bob
> wa0vrc
>

From bkemp at bobbkemp.com Thu Apr 21 22:25:08 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Thu, 21 Apr 2011 21:25:08 -0500
Subject: [BoatAnchors] johnson a/c plug
Message-ID: <1EAAC6ECD3BA4601AA61B980C635F8E6@robert7549ca67>

Got a Johnson style a/c plug with the two fuses in it.
\$7.00 shipped.
Bob
wa0vrc

From bkemp at bobbkemp.com Thu Apr 21 22:27:00 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Thu, 21 Apr 2011 21:27:00 -0500
Subject: [BoatAnchors] Ceramic Stand Offs & couplers
Message-ID: <BFCD857E4B843FDB67EB1291C4F5836@robert7549ca67>

Have a small assortment of ceramic standoffs and shaft couplers. I can set a
pic of the drawer full if interrested.
\$30 shipped.

Bob
wa0vrc

From bkemp at bobbkemp.com Thu Apr 21 22:29:38 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Thu, 21 Apr 2011 21:29:38 -0500
Subject: [BoatAnchors] Johnson/Heath/Halli Mike Jacks & Plugs
Message-ID: <44CE213A0AE044DDA3E4873EC359CAB1@robert7549ca67>

Have a few jacks and plugs for the Amphenol style for Heath, Halli and Johnson.

\$12.00 shipped for the plug (male)

9.00 shipped for the jack

Bob
wa0vrc

From bkemp at bobbkemp.com Fri Apr 22 21:16:17 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Fri, 22 Apr 2011 20:16:17 -0500
Subject: [BoatAnchors] Crystals - Heath and Drake
Message-ID: <58CCAD90D472444F9C64A1F62A81BC5C@robert7549ca67>

crystals for sale as follows

Heathkit ones \$30 shipped

I believe I got them for a SB401/301

12.395,

28.895

37.395

38.395

23.895

15.895

36.895

22.895

37.895

Have the following Drake Crystals:

13.6

40.1

40.6

39.1

20.6

26.1

Drake set\$25. shipped

Bob
wa0vrc

From bkemp at bobbkemp.com Fri Apr 22 21:45:14 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Fri, 22 Apr 2011 20:45:14 -0500
Subject: [BoatAnchors] Heathkit Signal Generator and Signal Tracer
Message-ID: <7B8A9416AED04A96ACB67B2A45AD2939@robert7549ca67>

Have a IT-12 Signal tracer and a Signal Generator IG5242. Let me know if you have any interest in these units. Make me an offer.
manuals for both. I figure about \$20 shipping in the U.S. as the signal generator is maybe a 10 pounder+ after packing. Got a pic if you're interested. I'm thinking along the lines of \$100 shipped??
Bob

From bkemp at bobbkemp.com Fri Apr 22 21:58:07 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Fri, 22 Apr 2011 20:58:07 -0500
Subject: [BoatAnchors] Chokes
Message-ID: <7174F4C535464F34B1802CB9B164FD89@robert7549ca67>

Have two (2) triad chokes...C-12X, 6 Henries, 160ma DC, 165ohms. They have been removed from some prior equipment. I'll sell for \$50 shipped. They measure 165 and 168 ohms so I suspect they are good.
Bob
wa0vrc

From bkemp at bobbkemp.com Sat Apr 23 07:12:28 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Sat, 23 Apr 2011 06:12:28 -0500
Subject: [BoatAnchors] Panel Meters B&W Antenna Relay
Message-ID: <5408CF93A6F14F429F4F19411C5997AB@robert7549ca67>

Have two nice new shurite panel meters: 0-15v dc and 0-15 amps dc.
Looks like the number on them is 8108-Z and 8206z ...looks like sometime in the past I was going to put these on a little 12v supply!! \$25 shipped for the pair.
Also a B&W CR115 coaxial relay - 110v. I think I used this when I had a CE100V many moons ago.\$25 shipped.
Bob wa0vrc

From bkemp at bobbkemp.com Sat Apr 23 07:46:29 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Sat, 23 Apr 2011 06:46:29 -0500
Subject: [BoatAnchors] Lionel J-38 Code Key
Message-ID: <0FC6DBA246F54193BB2FCB4DFCDF68A8@robert7549ca67>

Have a nice Lionel J-38 Code Key. \$100 shipped. Can send pics.
Bob
wa0vrc

From bkemp at bobbkemp.com Sat Apr 23 08:01:12 2011
From: bkemp at bobbkemp.com (Bob Kemp)
Date: Sat, 23 Apr 2011 07:01:12 -0500
Subject: [BoatAnchors] J-38 Key
Message-ID: <68A0493283B14C0FB48856CF26C093C0@robert7549ca67>

Let's revise that price to \$60 shipped on the Lionel Code Key. Has red inspectors stamp, the little "L" on the bottom of the bakelite base also. Marked J-38 on top.
Bob
wa0vrc

From charlesmorris800 at centurytel.net Sat Apr 23 14:05:53 2011
From: charlesmorris800 at centurytel.net (Charles)
Date: Sat, 23 Apr 2011 13:05:53 -0500
Subject: [BoatAnchors] PP-7482/G, finally fixed! (long)
In-Reply-To: <mailman.0.1303578000.78586.boatanchors@theporch.com>
References: <mailman.0.1303578000.78586.boatanchors@theporch.com>
Message-ID: <h546r61blts85rmbrrl1qpt1jcb1s9058eq@4ax.com>

Over 10 years ago I bought from Fair Radio a "reparable" Rockwell Collins PP-7482/G, which is a 1 KVA, 115v 400Hz power supply (115v 60Hz input). I also spent plenty from Bruce at bluefeathertech for the proper pair of Amphenol power connectors rather than butchering it for standard NEMA plugs/sockets.

The unit didn't work, of course, and when I took the lid off, several of the 8 "mystery" house-numbered H-bridge power transistors had holes arced right through their steel lids! There were a couple of resistors showing signs of severe heating, but they were still in tolerance. All four 1 amp pigtail fuses from

the driver cards were blown too, which hopefully saved the drivers from domino effects.

I promptly discovered that the service manual with schematics, although in the library at Tinker AFB, OK, was "classified" and could not be released. Another Boatanchorite had tried to obtain the manual from the USAF and been denied, and even gone through the FOIA process (also denied, appeal denied). Although even back then the Chinese were selling near-identical power supplies and this is mid-70's tech :rolleyes: So I gave up in disgust for a long while.

Anyhow I gradually learned a bit more about PWM inverters and this spring resolved to fix it even without a schematic... It seemed to me that better power switching transistors must have become available since 1978, and the BUX48 fits the bill nicely (and it's relatively cheap too, currently \$5.53 at Mouser).

I took a lot of things apart, and traced circuit diagrams of the driver boards by hand, bench-tested the driver boards separately using a pulse generator to drive them, and now have a pretty good idea of how it works even without the manual.

To make a long story short (the whole saga is posted on the Yahoo TekScopes2 group if anyone's interested) ;) I put in the power transistors and fuses, and it's working!

<http://i1181.photobucket.com/albums/x426/DrCharlesMorris/P4230018.jpg>

Top trace is load voltage 100v/cm, bottom trace is load current 1A/cm (P6019 current probe), timebase 0.5 ms/cm (exactly 5 div for 400 Hz).

<http://i1181.photobucket.com/albums/x426/DrCharlesMorris/P4230020.jpg>

The output transformer really "sings" at 400 Hz with plenty of audible harmonics buzzing too. I expected the output waveform to be a bit cleaner, but then I don't know yet what PWM carrier frequency they used or how many times it switches per half-cycle, etc. Also it may look better under full load depending on the design of the output low pass filter, or perhaps with a PF less than 1.0 (such as the primary of a 400 Hz power transformer) as in normal use.

Anyhow, if anybody else has one of these and needs some tips, I can probably provide some help.

Now all I need is a 400 Hz boatanchor (planeanchor?) to run with

it :)

-Charles

From WA5CAB at cs.com Sat Apr 23 16:14:05 2011
From: WA5CAB at cs.com (WA5CAB at cs.com)
Date: Sat, 23 Apr 2011 16:14:05 EDT
Subject: [BoatAnchors] PP-7482/G, finally fixed! (long)
Message-ID: <79b82.32a06513.3ae48d0d@cs.com>

Charles,

That's good news. Or would be if I still had mine - I think I finally gave or swapped mine to someone else with one and bought a different unit (also from Fair). There were actually at least two of us who went through the entire FOIA process. After Dave R. hit his brick wall he sent all the info he had and I started the process again as a retired Naval Officer. When I hit my brick wall, I had permission to go to Tinker and borrow the manual and take it out of the building it was stored in. However, I could not take it off base. And it had to be copied on a machine certified for copying classified documents. So I couldn't run over to the PX and copy it. And I couldn't use the machines that could copy it because there was no Use Code for me or for my reason for copying. Close to a Catch 22.

If anyone is interested, the root of the problem with getting a T.O. was that the inverters had been ordered on a Weapons System contract, and carried most of the restrictions associated with the Weapons System. Had they been bought for general use, there never would have been any problem and most of the manuals would probably have been surplused out along with the converters.

About 2-1/2 years ago, I acquired from a TM customer the mainframe schematic. It includes the input and output connectors and filters, rectifier, and the switching transistor section. Plus outline drawings and air flow requirements graphs. If anyone wants a copy, they would be about \$4.00 shipped CONUS (roughly my cost for printing and postage).

In a message dated 4/23/2011 2:03:28 PM Central Daylight Time, charlesmorris800 at centurytel.net writes:

> I promptly discovered that the service manual with schematics,
> although in the library at Tinker AFB, OK, was "classified" and
> could not be released. Another Boatanchorite had tried to obtain
> the manual from the USAF and been denied, and even gone through
> the FOIA process (also denied, appeal denied). Although even back
> then the Chinese were selling near-identical power supplies and

> this is mid-70's tech :rolleyes: So I gave up in disgust for a
> long while.

Robert Downs - Houston
wa5cab dot com (Web Store)
MVPA 9480

From john91 at charter.net Sat Apr 23 16:32:12 2011
From: john91 at charter.net (John Oglesby)
Date: Sat, 23 Apr 2011 16:32:12 -0400
Subject: [BoatAnchors] PP-7482/G, finally fixed! (long)
In-Reply-To: <h546r61blts85rmbrrl1qpt1jcb1s9058eq@4ax.com>
References: <mailman.0.1303578000.78586.boatanchors@theporch.com>
<h546r61blts85rmbrrl1qpt1jcb1s9058eq@4ax.com>
Message-ID: <4DB3374C.7000608@charter.net>

Charles - About 10-15 years ago the government started to get really picky about releasing tech manuals or other "official documents" related to defense electronics. This was true even if you had a license approved to ship the hardware. We weren't allowed to ship these items with our radios for non-US government users unless there was a separate "license approval" from the US State Department. I would wager that the manual you wanted isn't really "classified", just not "releasable" without specific approval to non-government users. I can think of lots of radios that you can buy surplus, but there is no way to get a tech manual. Usually that is because the hardware is still being used someplace in the military.

So the issue probably isn't related to FOIA release in the conventional sense, it is the technology release which is a totally different animal.

These days, once it is designated a defense specific item, none of this information is releasable without specific approval. FOIA is much easier. Another "gotcha" is that on FOIA requests for contractor related information, like contract info, etc. (again, not really the issue here) the government must go back to the contractor to get their comments on retractions that they would like to see. So in some cases a contractor like Rockwell (they aren't really Collins anymore) may decide that they don't want technical information to be divulged for other reasons. So they can get you both ways.

John
N9RE

On 4/23/2011 2:05 PM, Charles wrote:

> Over 10 years ago I bought from Fair Radio a "reparable" Rockwell
> Collins PP-7482/G, which is a 1 KVA, 115v 400Hz power supply (115v
> 60Hz input). I also spent plenty from Bruce at bluefeathertech for

> the proper pair of Amphenol power connectors rather than
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> The unit didn't work, of course, and when I took the lid off,
> several of the 8 "mystery" house-numbered H-bridge power
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> Top trace is load voltage 100v/cm, bottom trace is load current
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>
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>
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> etc. Also it may look better under full load depending on the

> design of the output low pass filter, or perhaps with a PF less
> than 1.0 (such as the primary of a 400 Hz power transformer) as in
> normal use.
>
> Anyhow, if anybody else has one of these and needs some tips, I
> can probably provide some help.
>
> Now all I need is a 400 Hz boatanchor (planeanchor?) to run with
> it :)
>
> -Charles
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>
>

From charlesmorris800 at centurytel.net Sat Apr 23 18:20:49 2011
From: charlesmorris800 at centurytel.net (Charles)
Date: Sat, 23 Apr 2011 17:20:49 -0500
Subject: [BoatAnchors] PP-3929 power supply, looking for schematic
Message-ID: <5dj6r6t9rjakme91e7580ln4dq3hk85l2i@4ax.com>

OK, now that I've finally fixed that pesky 400 Hz inverter, the last remaining military surplus project in my backlog is a PP-3929 power supply (part of the FLR-9 direction-finding system from the 1960's).

This is a (relatively) straightforward design, consisting of +10V and -10V DC linear regulators sharing a common terminal. I think it's good for about 10 amps on the +10 side and 3 amps on the -10 side, from looking at the transformers and chokes. Currently it puts out an unregulated ~15V on both sides. So either a pass transistor (2N2226) is shorted, or the regulator boards have bad components. This is pre-IC so there are lots of transistor stages on two PC boards, one of which is hard to get to, and everything's interconnected with a neatly laced and very dense wiring harness.

Although the basic principle of a linear power supply is simple, a schematic would make the repair a LOT easier! There is some limited FLR-9 info out there on the net, but I'm not coming up with a technical manual for the PP-3929... can anyone help?

thanks

Charles
WB3JOK/0

From arc5 at ix.netcom.com Sun Apr 24 09:13:20 2011
From: arc5 at ix.netcom.com (David Stinson)
Date: Sun, 24 Apr 2011 08:13:20 -0500
Subject: [BoatAnchors] UTC E-3717 Transformer
Message-ID: <5DF816E633C7463898502067DA15A6C1@DaddyPC>

About 8 years ago, Don Merz was looking for information on a UTC transformer marked E-3717. It is not in the UTC catalogs. Did anyone ever find anything on this? Thanks.

From charlesmorris800 at centurytel.net Sun Apr 24 15:30:10 2011
From: charlesmorris800 at centurytel.net (Charles)
Date: Sun, 24 Apr 2011 14:30:10 -0500
Subject: [BoatAnchors] PP-3929 power supply, looking for schematic
In-Reply-To: <mailman.0.1303664401.5142.boatanchors@theporch.com>
References: <mailman.0.1303664401.5142.boatanchors@theporch.com>
Message-ID: <cjp8r6lqv7ku9v2npctg0o2cractnu6bu0@4ax.com>

On Sun, 24 Apr 2011 12:00:01 -0500, you wrote:

I got it fixed... there was a bad transistor (an ancient 2N335) that I replaced with a 2N3904. The other regulator apparently has some reference from this board, because both supplies then came up part way (to 2.48 and 7.12 volts)...

I then started checking zeners. After lifting the leg of one (which seemed to have the right voltage) and then soldering it back down, both supplies started working and I can't get them to fail again! Tapping and wiggling that zener, flexing the PC board, etc. has no effect. I can only assume a bad solder joint at this point. Will bench-test for a while and see.

>I think it's good for about 10 amps on the +10 side and 3 amps
> on the -10 side, from looking at the transformers and chokes.

On closer inspection it's the other way round. 10 amps at -10V, 3 amps at +10. There is a two-pole DC breaker on the front panel, both handles pinned together, and the +10 trips quickly when a 5 amp load is applied. The -10 can go to about 12 amps before it trips the breaker.

There also appears to be remote sensing terminals available at the

barrier strip (I don't have a Cannon plug to fit the socket)., but the two supplies won't work unless their commons are strapped. If anyone else has played with one of these supplies I'd be interested in any further details.

-Charles

From ddillman at igc.org Mon Apr 25 14:03:47 2011
From: ddillman at igc.org (Richard Dillman)
Date: Mon, 25 Apr 2011 11:03:47 -0700 (GMT-07:00)
Subject: [BoatAnchors] More Photos from Denice
Message-ID: <25728052.1303754627116.JavaMail.root@mswamui-andean.atl.sa.earthlink.net>

Denice's excellent adventure aboard USNS WALLY SCHIRRA T-AKE-8 continues. She's been to Diego Garcia, Guam, Fujairah, Pearl Harbor and Singapore and doesn't expect to hit the beach again until this summer. She's forwarded several more pictures to us here at the MRHS General Secretariat (Photo). There are lots of scenic shots but we selected the ones showing DA, her cabin and the Shell Back ceremony she went through when the ship crossed the equator.

You can see them on our Web site <http://www.radiomarine.org> under the MRHS Events section or directly at:

http://www.radiomarine.org/gallery/show?keyword=DAEV&panel=pab1_5#pab1_5

Enjoy,

RD

=====
Richard Dillman
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From k6kwq at msn.com Mon Apr 25 14:05:34 2011
From: k6kwq at msn.com (RICHARD GEORGE)
Date: Mon, 25 Apr 2011 18:05:34 +0000
Subject: [BoatAnchors] Shaft couplings
Message-ID: <COL112-W315E152291B07015B93920F5960@phx.gbl>

I have a need for 3 shaft couplings. The type that are for 1/4" shafts and are

flexible. They don't have to be the insulated type. I don't think anyone sells them new anymore. Would be happy with old used ones. I can Paypal please reply off list.

thanks

K6KWQ Dick Amps by "MORE POWER"

From n7rk at cox.net Tue Apr 26 00:58:33 2011
From: n7rk at cox.net (David Hollander)
Date: Mon, 25 Apr 2011 21:58:33 -0700
Subject: [BoatAnchors] Boatanchor Sighting in the Movies
Message-ID: <4DB650F9.50804@cox.net>

Watched this earlier this evening.

Boatanchors spotted in the 1953 Sci-fi Robot Monster featuring a spaceman that looks like a gorilla with a diving helmet on.

His equipment looks like an upside Hallicrafter's S-53 and a 1923 RCA IP-501-A Receiver/Amplifier. Just saw one of those on ebay recently.

Here are a few screenshots.

<http://members.cox.net/radiodx3/robotmonster.jpg>
<http://members.cox.net/radiodx3/robotmonster2.jpg>
<http://members.cox.net/radiodx3/robotmonster3.jpg>

Enjoy!

Dave N7RK

--

Dave N7RK Boatanchors Home Page: <http://members.cox.net/n7rk>
Phoenix, Arizona *DXCC Honor Roll* *WAZ#22 - 75 Meter SSB*

ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX

Boatanchor and Antique Radio Collector

From ddillman at igc.org Fri Apr 29 21:03:04 2011
From: ddillman at igc.org (Richard Dillman)
Date: Fri, 29 Apr 2011 18:03:04 -0700 (GMT-07:00)
Subject: [BoatAnchors] Reminder: K6KPH on the air for IMD

Message-ID: <27428777.1304125384275.JavaMail.root@mswamui-bichon.atl.sa.earthlink.net>

K6KPH will be on the air tomorrow, Saturday, 30 April to participate in International Marconi Day.

Hours of operation:

1700 - 2359Z

Frequencies:

3550
7050
14050
21050

Several operators have volunteered to help so all frequencies should be active.

The public is invited to visit us at the ex-RCA receive site at 17400 Sir Francis Drake Blvd., Inverness, CA. We will monitor 146.565Mc simplex for those needing guidance to the site.

For more information about International Marconi Day and how to obtain your award see:

<http://www.gb4imd.org.uk/>

For more information about K6KPH see:

http://www.radiomarine.org/gallery/show?keyword=K6KPH&panel=pab1_3#pab1_3

VY 73,

RD

=====
Richard Dillman
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From johnmb at nc.rr.com Sat Apr 30 20:17:08 2011
From: johnmb at nc.rr.com (john)
Date: Sat, 30 Apr 2011 20:17:08 -0400
Subject: [BoatAnchors] [Radiomarine] Reminder: K6KPH on the air for IMD
In-Reply-To: <27428777.1304125384275.JavaMail.root@mswamui-bichon.atl.sa
.earthlink.net>
References: <27428777.1304125384275.JavaMail.root@mswamui-
bichon.atl.sa.earthlink.net>
Message-ID: <6.2.1.2.2.20110430201620.039bbe70@pop-server.nc.rr.com>

Great signals to the east coast today on 20m.

Mike had a great bug fist, and it was a pleasure to work you.

73 and hope you guys had fun

John K5MO